

**ABSTRACT**

A first embodiment of the present invention includes a method for controlling the flow of data in a base transceiver station. The method includes providing first and second upstream devices, providing a downstream device and enabling simultaneous communication between the downstream device and the first and second upstream devices. A second embodiment of the present invention includes a wireless communication system. The wireless communication system includes at least one subscriber unit and at least one base transceiver station, the base transceiver station transmitting and receiving signals to and from the at least one subscriber unit. The at least one base transceiver station includes a first upstream device, a second upstream device coupled to the first upstream device and a downstream device coupled to the first and second upstream devices wherein the downstream device includes means for enabling simultaneous communication between the downstream device and the first and second upstream devices. A third embodiment of the present invention includes a base transceiver station that includes a first upstream device, a second upstream device and a downstream device coupled to the first and second upstream devices wherein simultaneous communication between the downstream device and the first and second upstream devices is enabled.